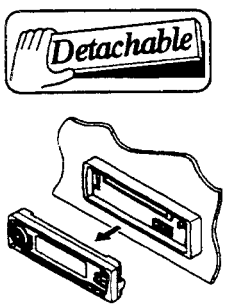
JVC

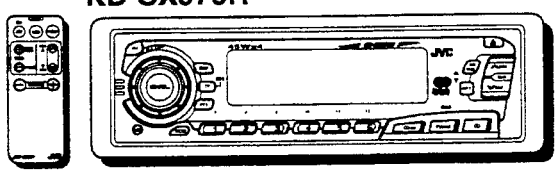
ENGLISH

CD RECEIVER
CD-RECEIVER
RECEPTEUR CD
CD-RECEIVER

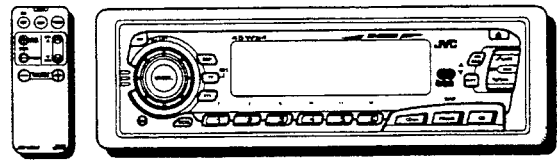
KD-SX979R/KD-SX925R
KD-SX924R/KD-SX909R



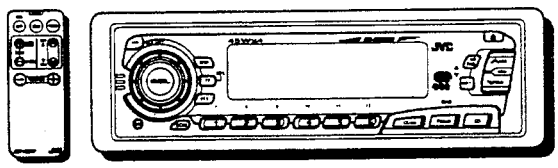
KD-SX979R



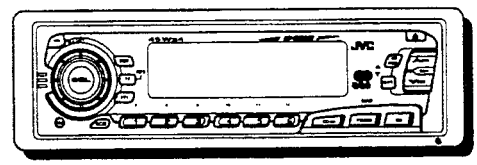
KD-SX925R



KD-SX924R



KD-SX909R



For installation and connections, refer to the separate manual.

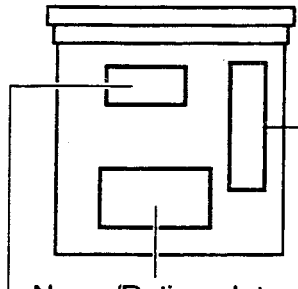
INSTRUCTIONS

FSUN3115-311
[E]

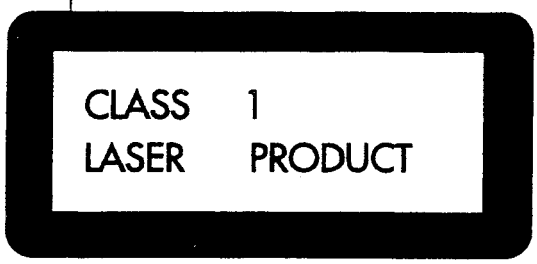
ENGLISH

Position And Reproduction Of Labels

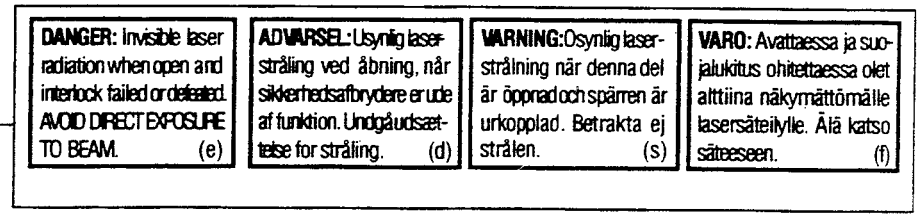
Bottom panel of the main unit



Name/Rating plate



Caution:
This product contains a laser component of higher laser class than Class 1.

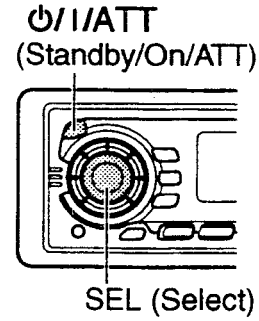

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (d)
VARNING: Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)
VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

IMPORTANT FOR LASER PRODUCTS

Precautions:

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. **CAUTION:** This CD player uses invisible laser radiation and is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

How to reset your unit



Press and hold both the SEL (Select) and ⏻/I/ATT (Standby/On/ATT) buttons at the same time for several seconds.
This will reset the built-in microcomputer.

Notes:

- Your preset adjustments — such as preset channels or sound adjustments — will also be erased.
- If a CD is in the unit, "PLEASE" and "EJECT" appear on the display alternately. In this case, press ⏏ to eject the CD. Pay attention not to drop the CD.

* *When you reset the unit with no CD loaded...*
After you open and close the control panel, nothing may be displayed although the unit is on. In this case, press ⏻/I/ATT *to return to the normal state.*

Note:

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.

BEFORE USE

* ***For safety....***

- *Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.*
- *Stop the car before performing any complicated operations.*

* ***Temperature inside the car....***

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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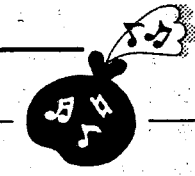

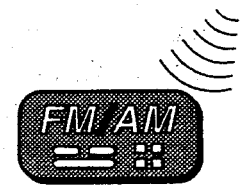

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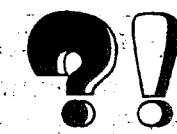
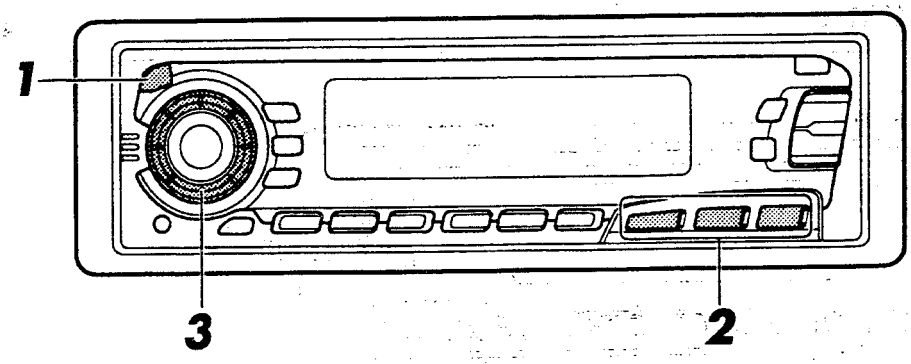


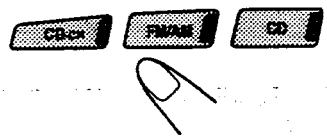


Note:
When you use this unit for the first time, set the built-in clock correctly, see page 26.

1 Turn on the power.

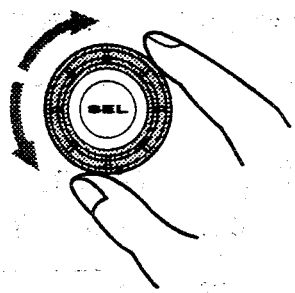
Note on One-Touch Operation:
When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.

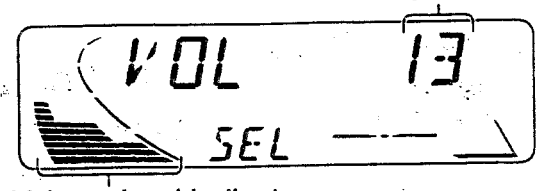


To operate the tuner, see pages 6 – 17.
To operate the CD player, see pages 18 – 21.
To operate the CD changer, see pages 37 – 39.
To operate the external component, see page 40.
To operate the DAB tuner, see pages 41– 46.

3 Adjust the volume.



Volume level appears.



Volume level indicator

4 Adjust the sound as you want (see pages 22 – 25).

To drop the volume in a moment

Press ⏻/I/ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.
To resume the previous volume level, press the button briefly again.

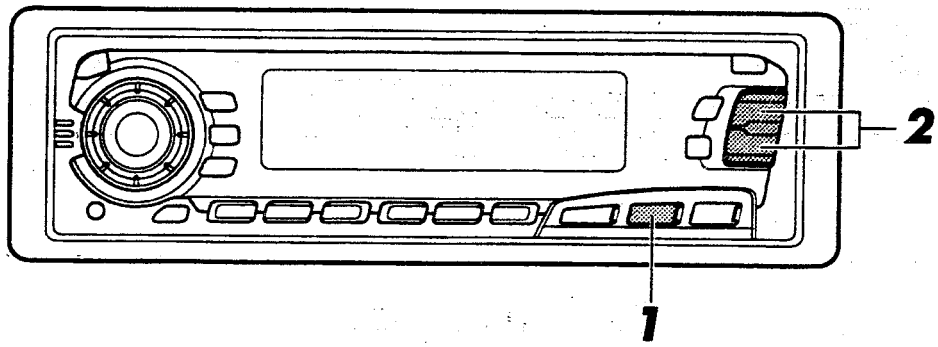
To turn off the power

Press ⏻/I/ATT for more than 1 second.

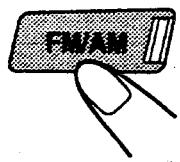
CAUTION on Volume Setting
CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.

RADIO BASIC OPERATIONS

Listening to the radio



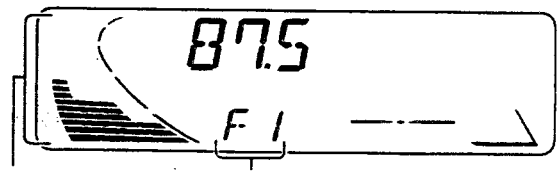
1



Select the band (FM1, FM2, FM3 or AM).

You can select any one of FM1, FM2, and FM3 to listen to an FM station.

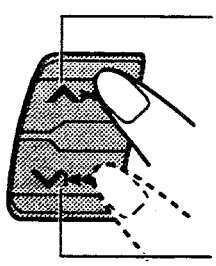
→ F1 → F2 → F3 → AM
(FM1) (FM2) (FM3)



Audio (see page 29) or volume level indicator

Selected band (or clock time: see page 29) appears.

2

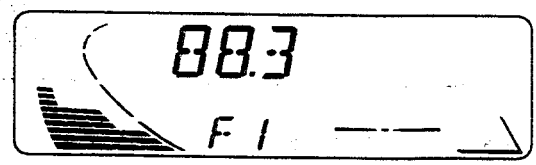


To search stations of higher frequencies

To search stations of lower frequencies

Start searching a station.

When a station is received, searching stops.



To stop searching before a station is received, press the same button you have pressed for searching.

To tune in a particular frequency without searching

1 Press FM/AM repeatedly to select the band (FM or AM).

2 Press and hold ∧▶▶| or ∨|◀◀ until "MANU (Manual)" starts flashing on the display.
Now you can manually change the frequency while "MANU" is flashing.

3 Press ∧▶▶| or ∨|◀◀ repeatedly until the frequency you want is reached.

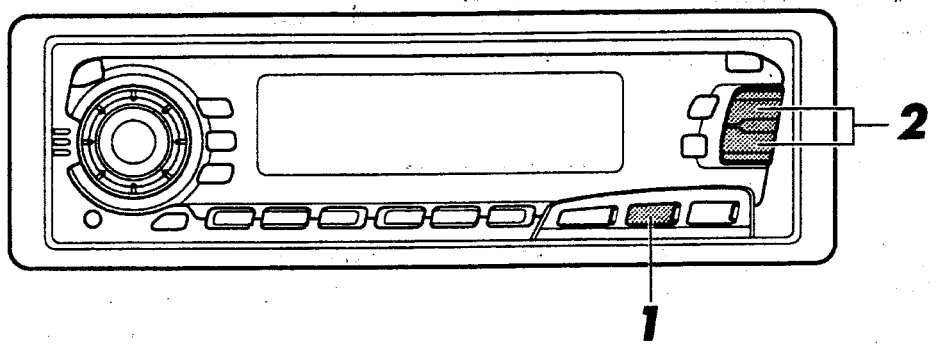
- If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz intervals for AM–MW/LW) until you release the button.

Storing stations in memory

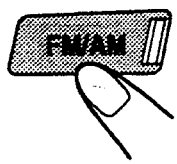
You can use one of the following two methods to store broadcasting stations in memory.
- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2 and FM3).



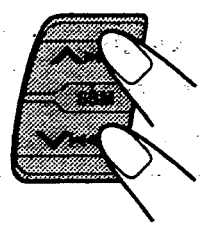
1



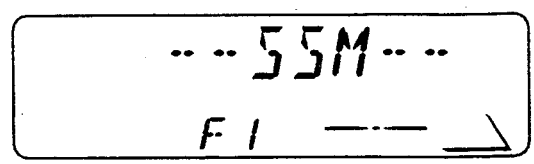
Select the FM band number (FM1, FM2 or FM3) you want to store FM stations into.

→ F1 → F2 → F3 → AM
(FM1) (FM2) (FM3)

2



Press and hold both buttons for more than 2 seconds.



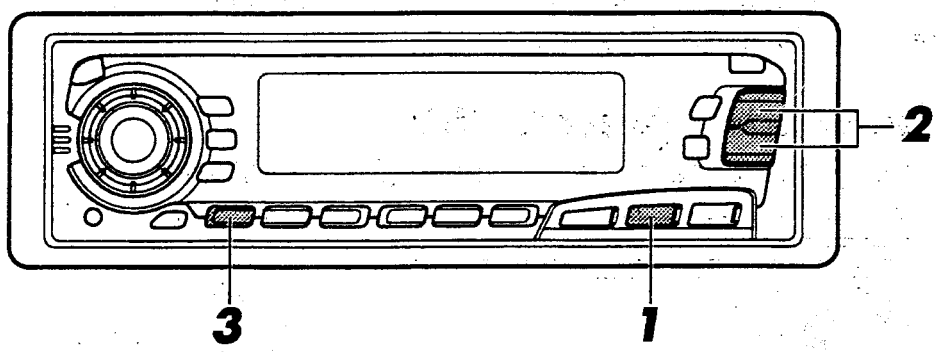
"SSM" appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).
When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

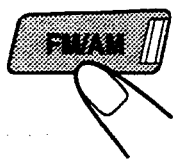
Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

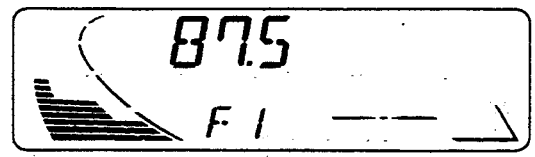
EXAMPLE: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band



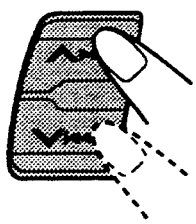
1



Select the FM1 band.

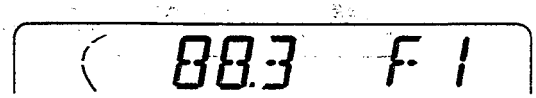


2

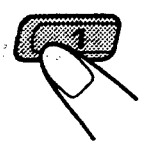


Tune into a station of 88.3 MHz.

See page 6 to tune into a station.



3



Press and hold the number button (in this example, 1) for more than 2 seconds.

Band/preset number and "MEMO" flash alternately for a while.

4

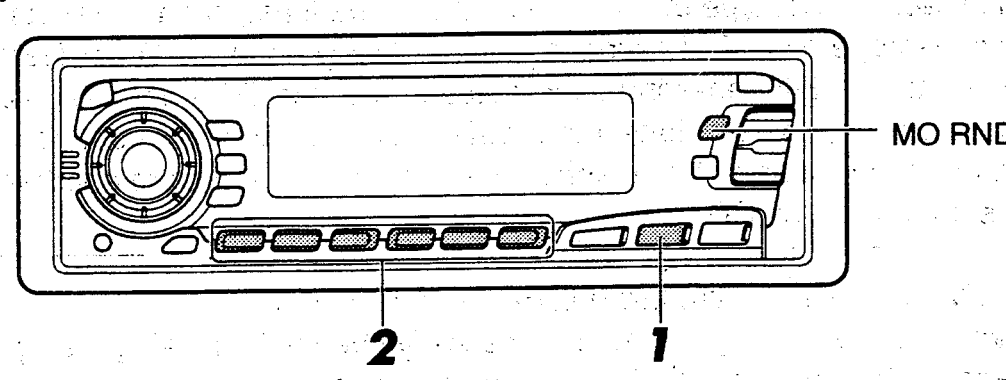
Repeat the above procedure to store other stations into other preset numbers.

Notes:

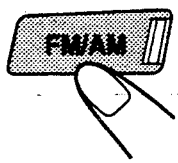
- *A previously preset station is erased when a new station is stored in the same preset number.*
- *Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.*

Tuning into a preset station

You can easily tune into a preset station.
Remember that you must store stations first. If you have not stored them yet, see pages 7 and 8.



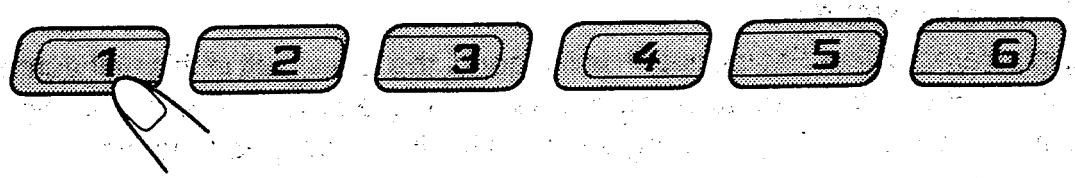
1



Select the band (FM1, FM2, FM3 or AM) you want.

→ **F1** (FM1) → **F2** (FM2) → **F3** (FM3) → **AM** →

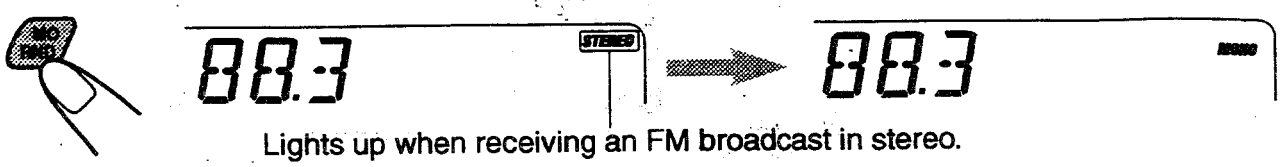
2



Select the number (1 – 6) for the preset station you want.

When an FM stereo broadcast is hard to receive:

Press MO RND (Monaural/Random) while listening to an FM stereo broadcast. The sound you hear becomes monaural but reception will be improved.



Lights up when receiving an FM broadcast in stereo.

To restore the stereo effect, press the same button again.

What you can do with RDS EON

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals. For example, the stations send their station names, as well as information about what type of programme they broadcast, such as sports or music, etc. Another advantage of RDS function is called "EON (Enhanced Other Networks)." The EON indicator lights up while receiving an FM station with the EON data. By using the EON data sent from a station, you can tune into a different station of a different network broadcasting your favorite programme or traffic announcement while listening to another programme or to another source such as CD.

By receiving the RDS data, this unit can do the following:

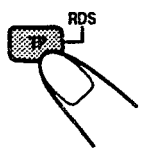
- Tracing the same programme automatically (Network-Tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Programme Type) search
- TP (Traffic Programme) search
- And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

When driving in an area where FM reception is not good, the tuner built in this unit automatically tune in another RDS station, broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See the illustration on the next page.)

Two types of the RDS data are used to make Network-Tracking Reception work correctly — PI (Programme Identification) and AF (Alternative Frequency).

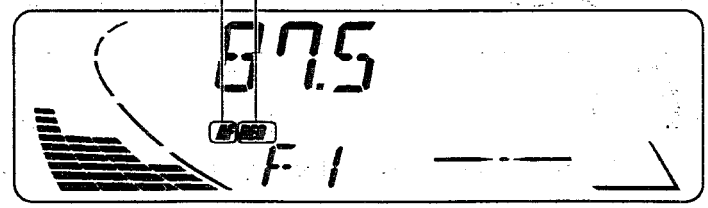
Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.



To use Network-Tracking Reception, press and hold TP RDS (Traffic Programme/Radio Data System) for more than 1 second. Each time you press and hold the button, Network-Tracking Reception modes change as follows:

→ **Mode 1** → **Mode 2** → **Mode 3** ┐

AF indicator — REG indicator



Mode 1

The AF indicator lights up but the REG indicator does not.
Network-Tracking is activated with Regionalization set to "off."
Switches to another station within the same network when the receiving signals from the current station become weak.

Note:
In this mode, the programme may differ from the one currently received.

Mode 2

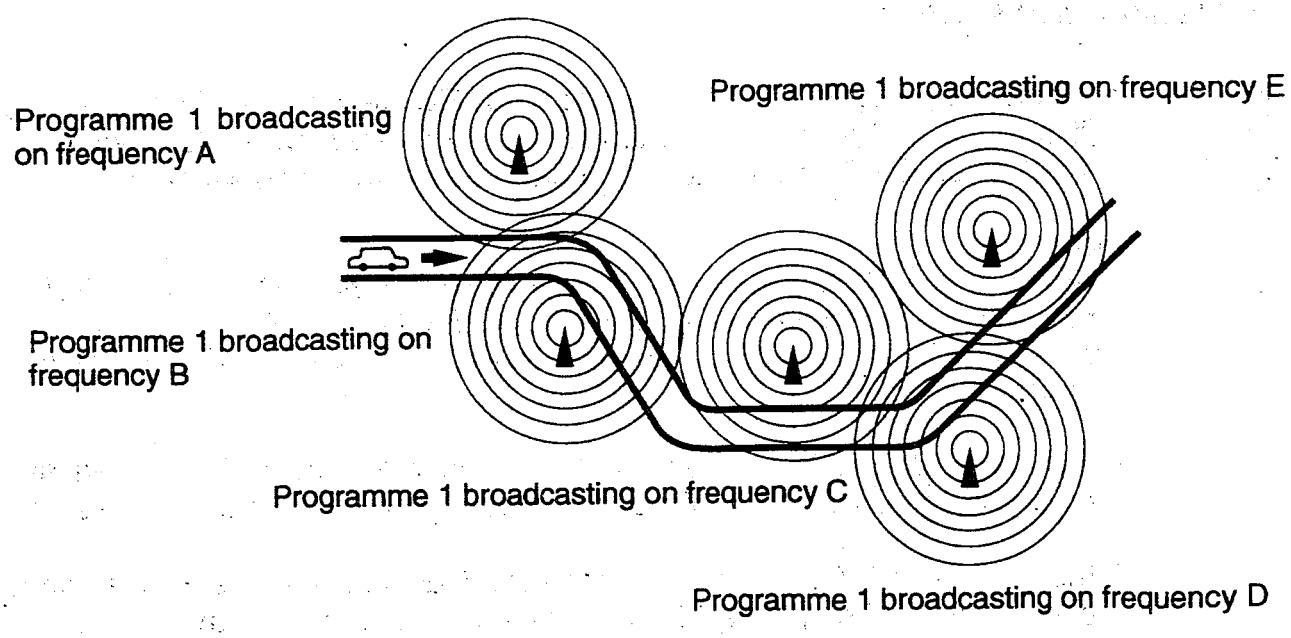
Both the AF indicator and the REG indicator light up.
Network-Tracking is activated with Regionalization set to "on."
Switches to another station, within the same network, broadcasting the same programme when the receiving signals from the current station become weak.

Mode 3

Neither the AF indicator nor the REG indicator lights up.
Network-Tracking is deactivated.

Note:
If a DAB tuner is connected and Alternative Reception (for DAB services) is activated, Network-Tracking Reception is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception. *(See page 46.)*

The same programme can be received on different frequencies.

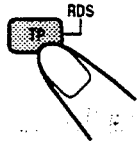

Programme 1 broadcasting on frequency A
Programme 1 broadcasting on frequency E
Programme 1 broadcasting on frequency B
Programme 1 broadcasting on frequency C
Programme 1 broadcasting on frequency D

Using Standby Reception

Standby Reception allows the unit to switch temporarily to your favorite programme (PTY: Programme Type) and Traffic Announcement (TA) from the current source (another FM station, CD and other connected components).

Note:
Standby Reception will not work if you are listening to an AM station.

TA Standby Reception



- When you press TP RDS while listening to an FM station, the TP indicator is lit during reception of a TP (Traffic Programme) station and the TA standby mode is engaged.

Note:
When the station being received is not a TP station, the TP indicator flashes. Press ∧▶▶I or ∨I◀◀ to engage the TA standby mode. "SEARCH" appears on the display, and TP station search starts. When a TP station is tuned in, the TP indicator is lit.

- If you are listening to a CD and wish to listen to a TP station, press TP RDS to enter the TA standby mode. (The TP indicator lights up.)

If a traffic programme starts broadcasting while the TA standby mode is active, "TRAFFIC" appears and the playback source changes to the FM band. The volume increases to the preset TA volume level and the traffic programme can be heard (see page 17).

To deactivate the TA standby mode, press TP RDS again.

PTY Standby Reception

- When you press PTY while listening to an FM station, the PTY indicator is lit during reception of a PTY station and the PTY standby mode is engaged. The selected PTY name stored on page 14 flashes for 5 seconds.

Note:
When the station being received is not a PTY station, the PTY indicator flashes. Press ∧▶▶I or ∨I◀◀ to engage the PTY standby mode. "SEARCH" appears on the display, and PTY station search starts. When a PTY station is tuned in, the PTY indicator is lit.

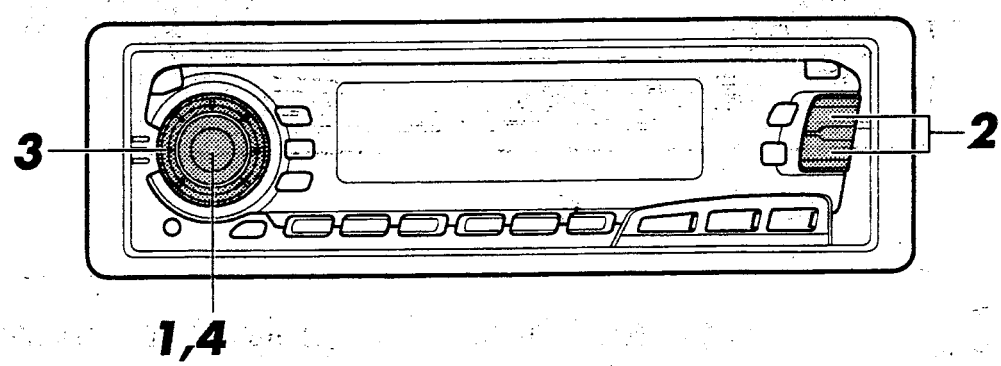
- If you are listening to a CD and wish to listen to a selected PTY broadcast, press PTY to enter the PTY standby mode. (The PTY indicator lights up.)

If the selected PTY programme starts broadcasting while the PTY standby mode is active, the selected PTY name appears and the playback source changes to the FM band. The selected PTY programme can then be heard.

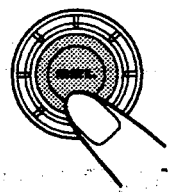
To deactivate the PTY standby mode, press PTY again.

Selecting Your Favorite Programme for PTY Standby Reception

You can select your favorite programme for PTY Standby Reception to store in memory.
When shipped from the factory, "NEWS" is stored as the programme type for PTY Standby Reception.

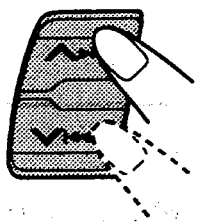


1



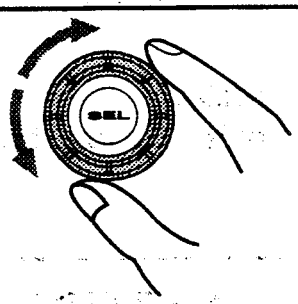
Press and hold SEL (select) for more than 2 seconds to call up the Preferred Setting Mode (PSM: see page 27).

2



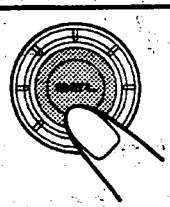
Select "PTY STBY (standby)" if not shown on the display.

3



Select one of twenty-nine PTY codes. (See page 16.)
Selected code name appears on the display and is stored into memory.

4



Finish the setting.

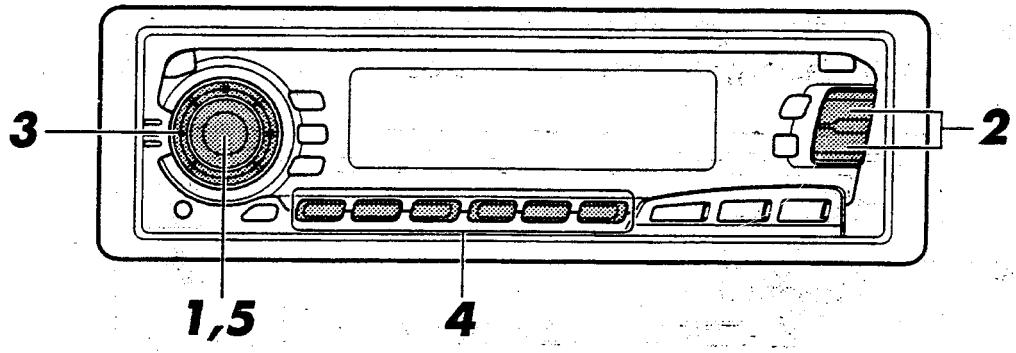
Searching Your Favorite Programme

You can search one of your 6 favorite programme types stored in memory.
When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

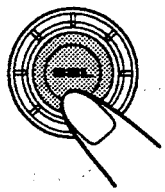
To change the factory preset settings, see page 14.
To search your favorite programme, see page 15.

1	2	3	4	5	6
POP M	ROCK M	EASY M	CLASSICS	AFFAIRS	VARIED

To store your favorite programme types

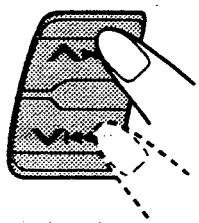


1



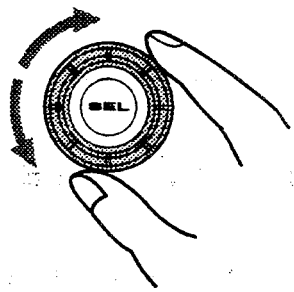
Press and hold SEL (select) for more than 2 seconds to call up the Preferred Setting Mode (PSM: see page 27).

2



Select "PTY SRCH (search)" if not shown on the display.

3

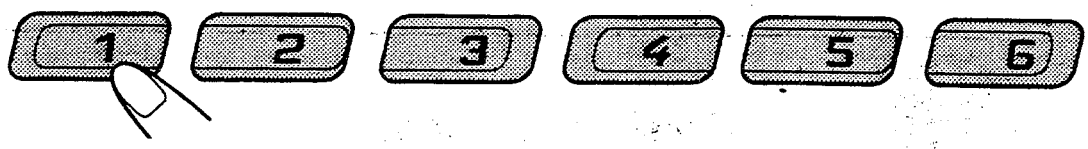


Select one of twenty-nine PTY codes. (See page 16.)

Selected code name appears on the display.

- If the code already stored in memory is selected, it will flash on the display.

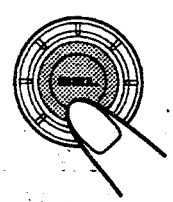
4



Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want.

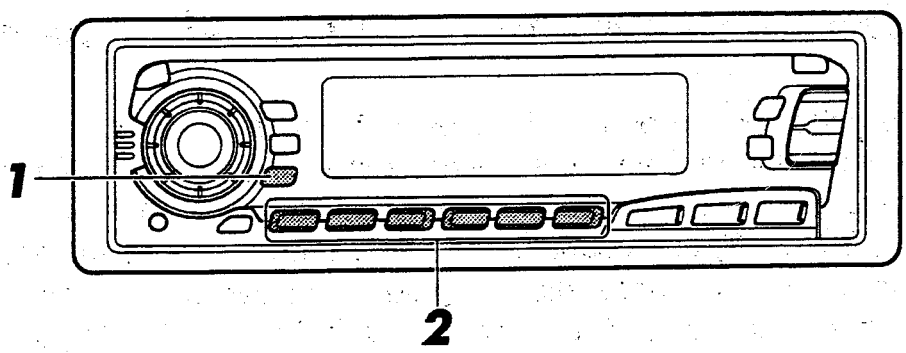
PTY preset number appears, and selected code name and "MEMORY" alternates on the display.

5



Finish the setting.

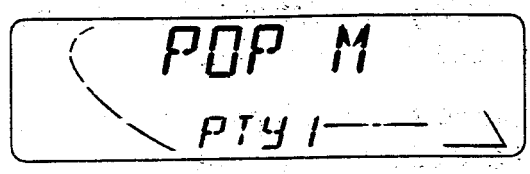
To search your favorite programme type



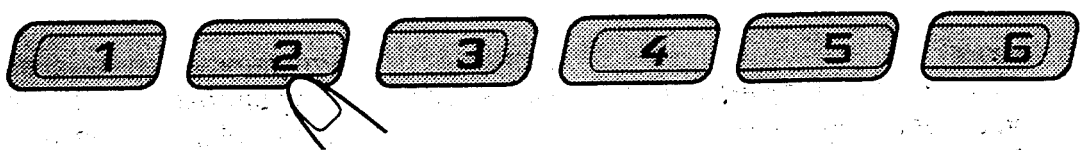
1

Press and hold PTY (programme type) for more than 1 second while listening to an FM station.

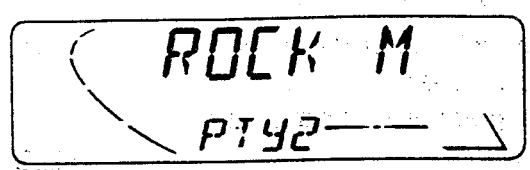
The last selected PTY code and preset number appear.



2



Select one of PTY codes stored in preset number buttons (1 to 6).



Ex. When "ROCK M" is stored in preset number button 2.

PTY search for your favorite programme starts after 5 seconds.

- If there is a station broadcasting a programme of the same PTY code you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.

Other convenient RDS functions and adjustments

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in.
However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit, using the AF data, tunes in another frequency broadcasting the same programme as the original preset station is broadcasting. In case no other station is tuned in, you can also search all receivable frequencies for the same programme. (Programme search) To activate programme search, follow the procedure below.

- Programme search takes a while.
- See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2. Press ∧▶▶| or ∨|◀◀ to select "P(programme)-SEARCH."
3. Select "ON" by turning the control dial clockwise.
   Now programme search is activated.

To cancel programme search, repeat the same procedure and select "OFF" in step 3 by turning the control dial counterclockwise.

PTY codes

NEWS:	News
AFFAIRS:	Topical programmes expanding on current news or affairs
INFO:	Programmes which impart advice on a wide variety of topics
SPORT:	Sport events
EDUCATE:	Educational programmes
DRAMA:	Radio plays
CULTURE:	Programmes on national or regional culture
SCIENCE:	Programmes on natural science and technology
VARIED:	Other programmes like comedies or ceremonies
POP M:	Pop music
ROCK M:	Rock music
EASY M:	Easy-listening music
LIGHT M:	Light music
CLASSICS:	Classical music
OTHER M:	Other music
WEATHER:	Weather information
FINANCE:	Reports on commerce, trading, the Stock Market, etc.
CHILDREN:	Entertainment programmes for children
SOCIAL:	Programmes on social activities
RELIGION:	Programmes dealing with any aspect of belief or faith, or the nature of existence or ethics
PHONE IN:	Programmes where people can express their views either by phone or in a public forum
TRAVEL:	Programmes about travel destinations, package tours, and travel ideas and opportunities
LEISURE:	Programmes concerned with recreational activities such as gardening, cooking, fishing, etc.
JAZZ:	Jazz music
COUNTRY:	Country music
NATION M:	Current popular music from another nation or region, in that country's language
OLDIES:	Classic pop music
FOLK M:	Folk music
DOCUMENT:	Programmes dealing with factual matters, presented in an investigative style

Changing the display mode while listening to an FM station

You can change the initial indication on the display to either station name (PS NAME) or to station frequency (FREQ), while listening to an FM RDS station.

• See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2. Select "TU DISP (tuner display)" with ∧▶▶| or ∨|◀◀.
3. Set to the desired indication ("PS NAME" or "FREQ") with the control dial.

Note:

By pressing DISP, you can also change the display while listening to an FM RDS station. Each time you press the button, the following information appears on the upper part of the display:

PS (Station name) → Station Frequency → PTY (Programme type)

** Then, the display goes back to the original indication in several seconds.*

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

• See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2. Select "TA VOL (volume)" with ∧▶▶| or ∨|◀◀.
3. Set to the desired volume with the control dial.

Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjusted automatically using the CT (Clock Time) data in the RDS signal.
If you do not want to use automatic clock adjustment, follow the procedure below.

• See also "Changing the general settings (PSM)" on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2. Select "AUTO ADJ (adjust)" with ∧▶▶| or ∨|◀◀.
3. Select "OFF" by turning the control dial counterclockwise.
   Now automatic clock adjustment is canceled.

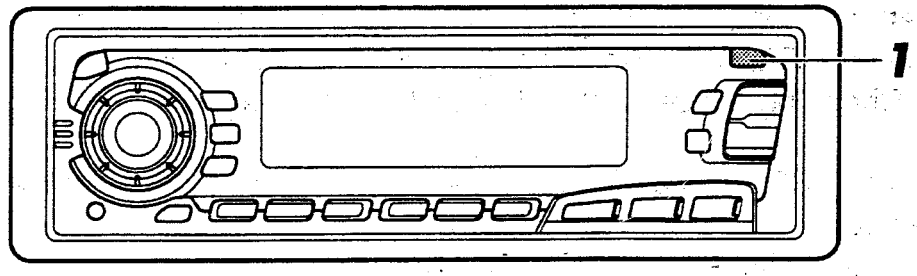
To reactivate clock adjustment, repeat the same procedure and select "ON" in step 3 by turning the control dial clockwise.

Note:

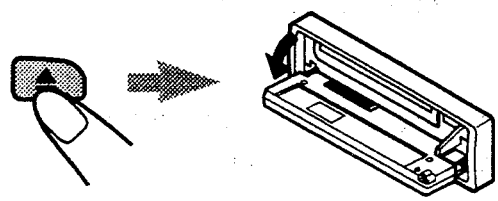
It takes about 2 minutes to adjust the time using the CT data. So, you must tune to the station for more than 2 minutes continuously; otherwise, the clock time will not be adjusted.

CD OPERATIONS

Playing a CD

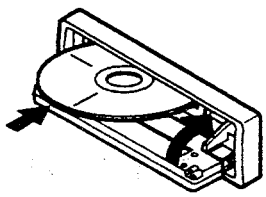


1

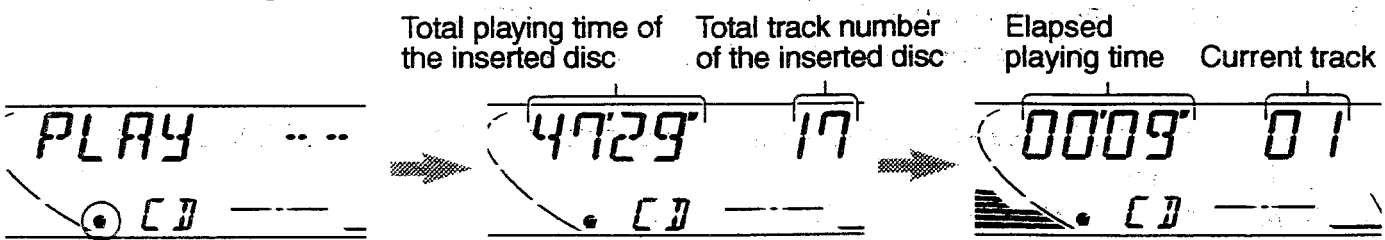


Open the control panel.

2



1. Insert a disc into the loading slot.
   The unit turns on, draws a CD and starts playback automatically.
2. Close the control panel by hand.



Notes:

- *When a CD is inserted upside down, "PLEASE" and "EJECT" appear on the display alternately. When you open the control panel by pressing ⏏, the CD automatically ejects.*
- *When you play a CD Text, the disc title and performer appear on the display. Then the current track and elapsed playing time appears on the display. See also "Playing a CD Text" (page 21) and "Selecting the scroll mode" (page 33).*
  If a CD Text includes much text information, some may not appear on the display.

> **Note on One-Touch Operation:**
> *When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.*

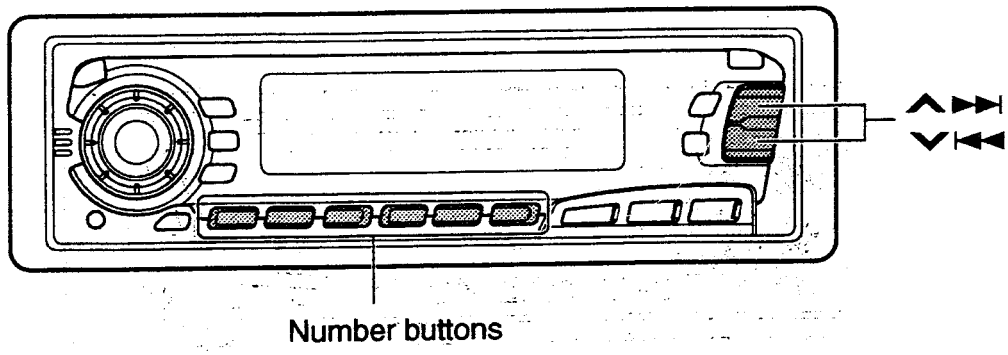
To stop play and eject the CD

Press ⏏.
CD play stops, the control panel opens, then the CD automatically ejects from the loading slot. If you change the source to FM, AM, CD changer or external component, the CD play also stops (without ejecting the CD this time).

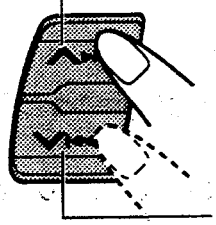
Notes:

- *If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)*
- *You can eject the CD even when the unit is turned off.*

Locating a track or a particular portion on a CD



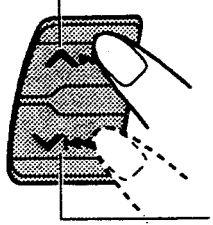
To fast-forward or reverse the track



Press and hold ∧►►|, while playing a CD, to fast-forward the track.

Press and hold ∨|◄◄, while playing a CD, to reverse the track.

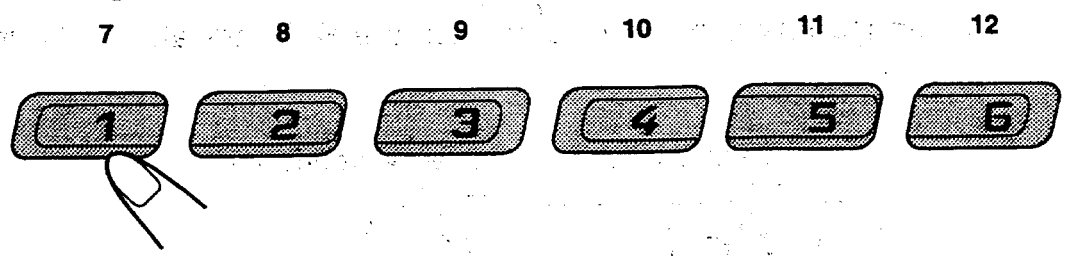
To go to the next tracks or the previous tracks



Press ∧►►| briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press ∨|◄◄ briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

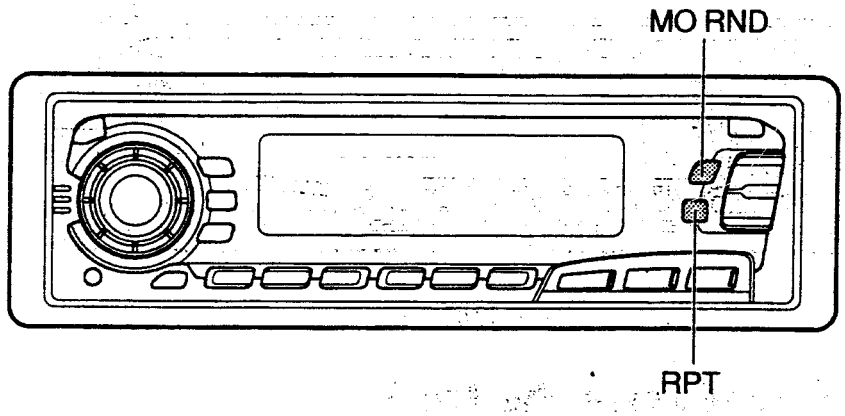
To go to a particular track directly



Press the number button corresponding to the track number to start its playback.

- To select a track number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

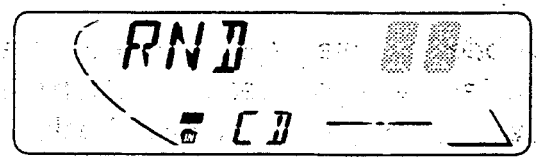
Selecting CD playback modes



To play back tracks at random (Random Play)

You can play back all tracks on the CD at random.

Each time you press MO RND (Monaural/Random) while playing a CD, CD random play mode turns on and off alternately.
When the random mode is turned on, the RND indicator lights up on the display and a track randomly selected starts playing.



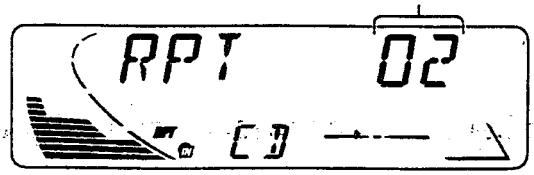
To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.

Each time you press RPT (Repeat) while playing a CD, CD repeat play mode turns on and off alternately.

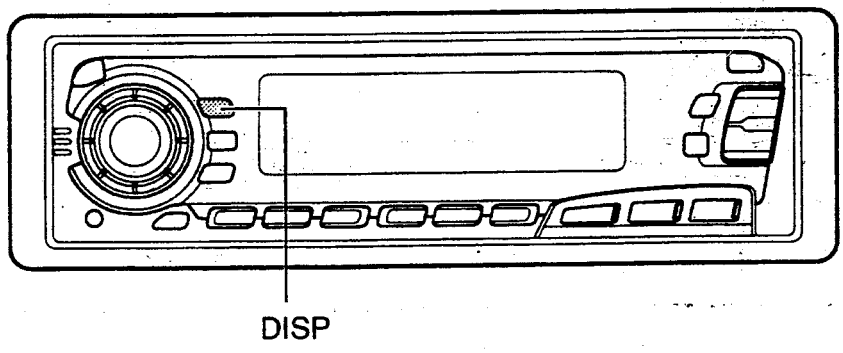
When the repeat mode is turned on, the RPT indicator lights up on the display.

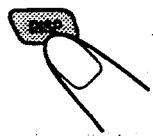
Track number of the currently playing track



Playing a CD Text

In a CD Text, some information about the disc (its disc title, performer and track title) is recorded. You can show these disc information on the display.





Select text display mode while playing a CD Text.

Each time you press the button, the display changes as follows:

Disc Title / Performer → Track Title → Current track and Elapsed playing time → (back to Disc Title / Performer)

Notes:

- *The display shows up to 8 characters at one time and scrolls if there are more than 8 characters. See also "Selecting the scroll mode" on page 33.*
  Some characters or symbols will not be shown (and be blanked) on the display.
  (Ex. "ABCå!d#" ⇨"ABCA D ")
- *When you press DISP while playing a conventional CD, "NO NAME" appears for the disc tittle/ performer and the track title.*

Prohibiting CD ejection

You can prohibit CD ejection and can lock a CD in the loading slot.
While pressing CD, press and hold ⏻/I/ATT for more than 2 seconds. "NO EJECT" flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.

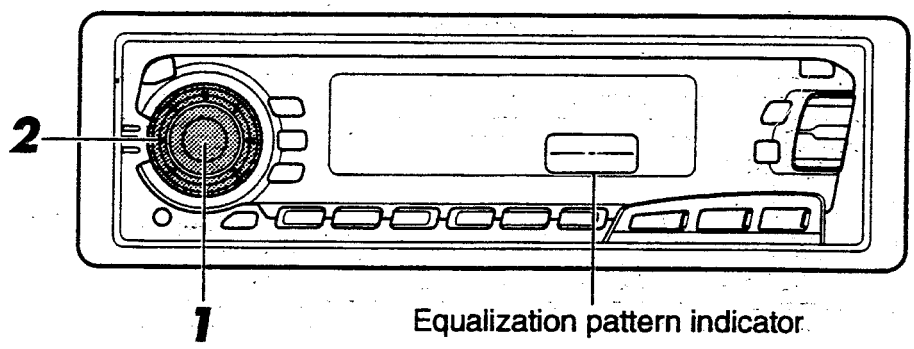
To cancel the prohibition and unlock the CD, press ⏻/I/ATT again for more than 2 seconds, while pressing CD. "EJECT OK" flashes on the display for about 5 seconds, and the CD is unlocked.

SOUND ADJUSTMENTS

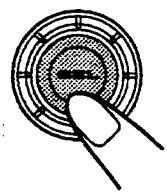
ENGLISH

Adjusting the sound

You can adjust the sound characteristics to your preference.



1



Select the item you want to adjust.

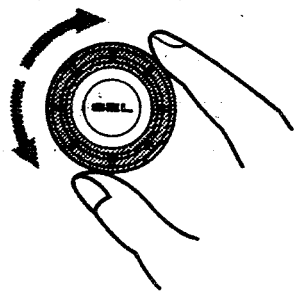
BAS → TRE → FAD → BAL → LOUD → VOL → BAS

Indication	To do:	Range
BAS (Bass)	Adjust the bass	–06 (min.) — +06 (max.)
TRE (Treble)	Adjust the treble	–06 (min.) — +06 (max.)
FAD (Fader)*	Adjust the front and rear speaker balance	R06 (rear only) — F06 (front only)
BAL (Balance)	Adjust the left and right speaker balance	L06 (left only) — R06 (right only)
LOUD (Loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON — LOUD OFF
VOL (Volume)	Adjust the volume	00 (min.) — 50 (max.)

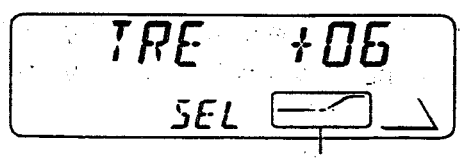
Note:

* *If you are using a two-speaker system, set the fader level to "00."*

2



Adjust the level.



Equalization pattern changes as you adjust the bass or treble.

Note:

Normally the control dial works for volume adjustment. So you do not have to select "VOL" to adjust the volume level.

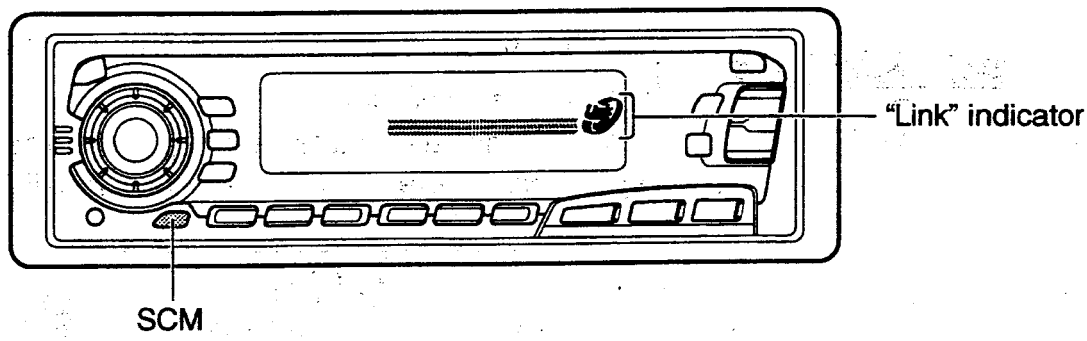
Using the Sound Control Memory

You can select and store a preset sound adjustment suitable to each playback source. (**Advanced SCM**)

Selecting and storing the sound modes

Once you select a sound mode, it is stored in memory, and will be recalled every time you select the same source. A sound mode can be stored for each of the following sources — FM1, FM2, FM3, AM, CD and external components.

- If you do not want to store the sound mode separately for each playback source, but want to use the same sound mode for all the sources, see "Canceling Advanced SCM" on page 29.



Select the sound mode you want.

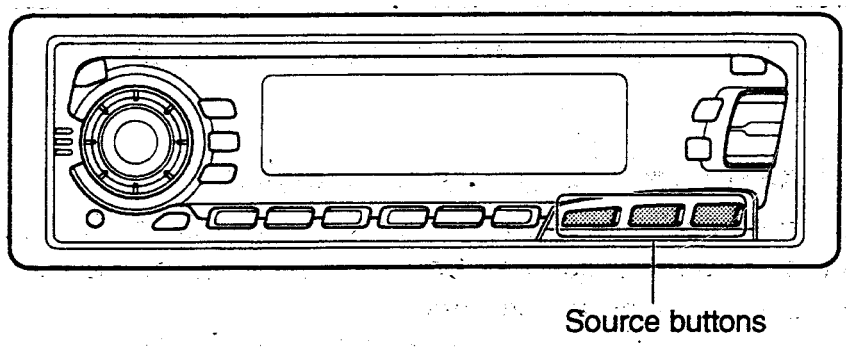
Each time you press the button, the sound mode changes as follows:

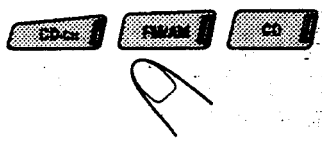
→ **SCM OFF** → **BEAT** → **SOFT** → **POP** ┐

- If the "Link" indicator is lit on the display (with "SCM LINK" set to "LINK ON"—see page 29), the selected sound mode can be stored in memory for the current source, and the effect applies to the current source.
- If the "Link" indicator is NOT lit on the display (with "SCM LINK" set to "LINK OFF"), the selected sound mode effect applies to any source.

Indication	**For:**	**Preset values**		
		Bass	Treble	Loudness
SCM OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+02	00	On
SOFT	Quiet background music	+01	–03	Off
POP	Light music	+04	+01	Off

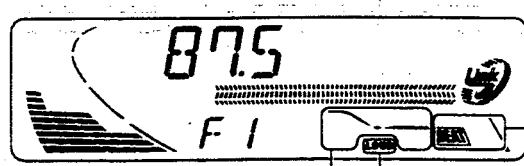
Recalling the sound modes





Select the source while the "Link" indicator is lit on the display.

The "Link" indicator starts flashing, and the sound mode stored in memory for the selected source is recalled.

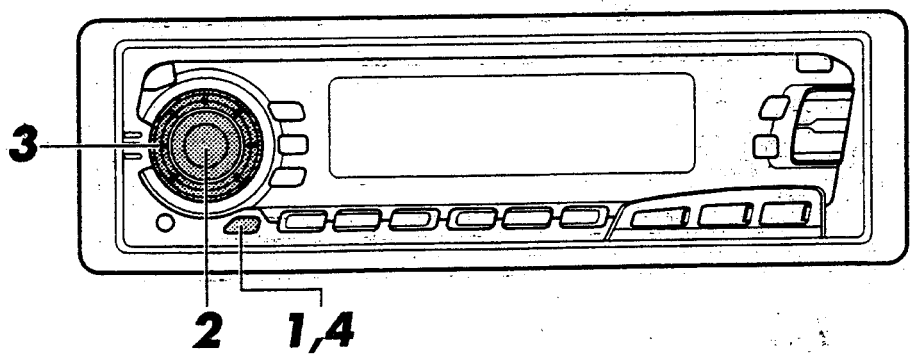


Notes:

- *You can adjust each sound mode to your preference, and store it in memory. If you want to adjust and store your original sound mode, see "Storing your own sound adjustments" on page 25.*
- *To adjust the bass and treble reinforcement levels or to turn on/off the loudness function temporarily, see page 22. (Your adjustments will be canceled if another source is selected.)*

Storing your own sound adjustments

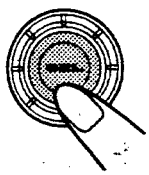
You can adjust the sound modes (BEAT, SOFT, POP: see page 23) to your preference and store your own adjustments in memory.



1

Call up the sound mode you want to adjust.
See page 23 for details.

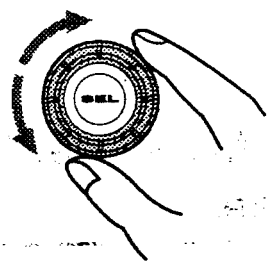
2



Select "BAS (Bass)," "TRE (Treble)" or "LOUD (Loudness)."

Within 5 seconds

3



Adjust the bass or treble level or turn the loudness function ON/OFF.
See page 22 for details.

4

Press and hold SCM (Sound Control Memory) until the sound mode you have selected in step 1 flashes on the display.
Your setting is stored in memory.

5

Repeat the same procedure to store other settings.

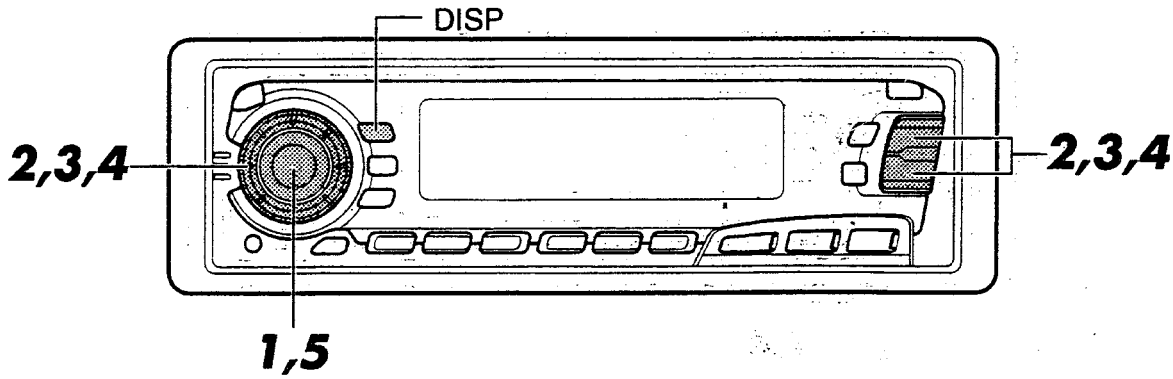
To reset to the factory settings

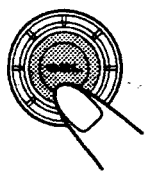
Repeat the same procedure and reassign the preset values listed in the table on page 23.

ENGLISH

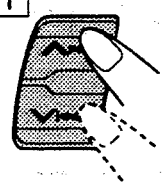
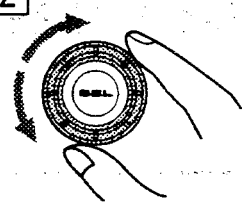
Setting the clock

You can also set the clock system either to 24 hours or 12 hours.



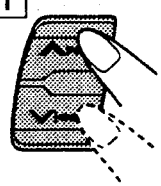
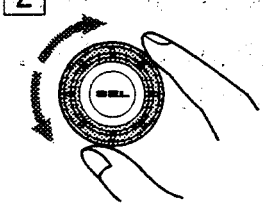
1 

Press and hold SEL (Select) for more than 2 seconds so that one of the PSM items appears on the display.

2 [1]  [2] 

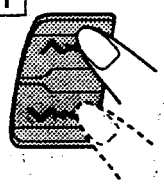
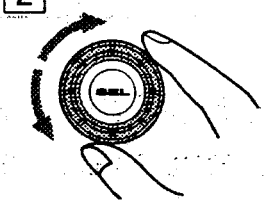
Set the hour.

[1] Select "CLOCK H (Hour)" if not shown on the display.
[2] Adjust the hour.

3 [1]  [2] 

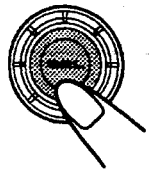
Set the minute.

[1] Select "CLOCK M (Minute)."
[2] Adjust the minute.

4 [1]  [2] 

Set the clock system.

[1] Select "24H/12H."
[2] Select "24H" or "12H."

5 

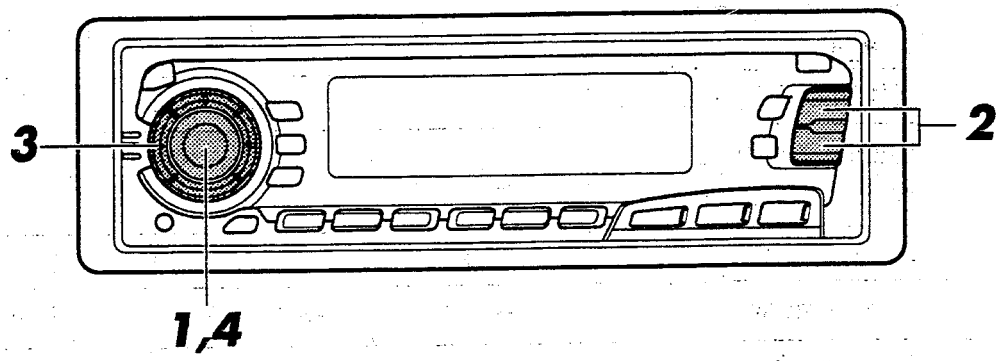
Finish the setting.

To check the current clock time while the unit is turned off, press DISP.
The power turns on, the clock time is shown for 5 seconds, then the power turns off.

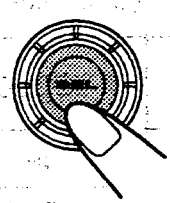
Changing the general settings (PSM)

You can change the items listed on the next page by using the PSM (Preferred Setting Mode) control.

Basic Procedure

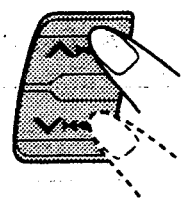


1



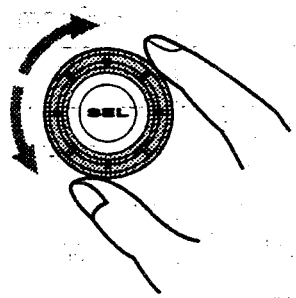
Press and hold SEL (Select) for more than 2 seconds so that one of the PSM items appears on the display.

2



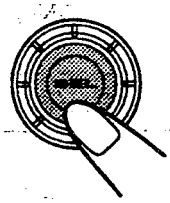
Select the PSM item you want to adjust. (See page 28.)

3

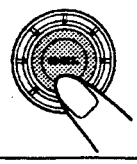
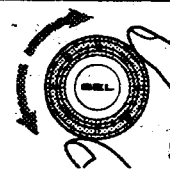


Select or adjust the PSM item selected above.

4



Finish the setting.

1  2 Select.		3  Set.		Factory-preset settings	See page
CLOCK H	Hour adjustment	Back	Advance	0:00	26
CLOCK M	Minute adjustment	Back	Advance		
SCM LINK	Sound control memory linkage	LINK OFF	LINK ON	LINK ON	29
24H/12H	24/12-hour time display	12H	24H	24H	26
AUTO ADJ	Automatic setting of the clock	OFF	ON	ON	17
CLOCK	Clock display	OFF	ON	ON	29
TU DISP	Display mode	FREQ	PS NAME	PS NAME	17
PTY STBY	PTY standby	29 programme types (See page 16.)		NEWS	13
PTY SRCH	PTY search			(See page 13.)	13
TA VOL	Traffic announcement volume	VOL (00-50)		VOL 20	17
P-SEARCH	Programme search	OFF	ON	OFF	16
DAB AF*	Alternative Reception	AF OFF	AF ON	AF ON	46
LEVEL	Level display	AUDIO 1 ↔ AUDIO 2 ↔ OFF		AUDIO 2	29
DIMMER	Dimmer (ONLY FOR KD-SX979R)	AUTO ↔ OFF ↔ ON		AUTO	30
CRUISE	Audio cruise (ONLY FOR KD-SX979R)	CRUISE 1 ↔ CRUISE 2 ↔ OFF		OFF	30
RPM SET**	Idling speed	—		800 rpm	31
BOOST**	Boost	01 –15		05	31
TEL	Audio muting for cellular phone system	OFF ↔ MUTING 1 ↔ MUTING 2		OFF	32
BEEP	Key-touch tone (ONLY FOR KD-SX979R)	OFF	ON	ON	32
SCROLL	Name display	ONCE ↔ AUTO ↔ OFF		ONCE	33
LINE IN***	External component	CHANGER	LINE IN	CHANGER	33

* *Displayed only when the DAB tuner is connected.*

** *When you select "CRUISE 1" or "CRUISE 2" for Audio Cruise Mode, you can adjust these items.*

*** *Displayed only when one of the following sources is selected — FM, AM and CD.*

• Press SEL (select) when the setting is complete.

Canceling Advanced SCM

You can cancel the Advanced SCM (Sound Control Memory), and unlink the sound modes and the playback sources.
When shipped from the factory, a different sound mode can be stored in memory for each source so that you can change the sound modes simply by changing the sources.

- LINK ON: Advanced SCM (different sound modes for different sources)
- LINK OFF: Conventional SCM (one sound mode for all sources)

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "SCM LINK" with ∧▶▶| or ∨|◀◀.
3 Select the desired mode with the control dial.
The SCM LINK mode changes as follows:

LINK ON ⟷ LINK OFF

Selecting the clock display

You can select either the clock or the source name to be shown on the lower part of the display. When shipped from the factory, the clock is selected.

- ON: Clock
- OFF: Source name (or station band)

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "CLOCK" with ∧▶▶| or ∨|◀◀.
3 Select the desired mode with the control dial.
The clock display mode alternates between on and off.

ON ⟷ OFF

To check the other information during play

Press DISP (Display). Each time you press the button, the other information (either the clock or the source name) will be shown on the lower part of the display for a while.

Selecting the level display

You can select the level display according to your preference.
When shipped from the factory, "AUDIO 2" is selected.

- AUDIO 1: Shows the audio level indicator and the equalization pattern indicator.
- AUDIO 2: Alternates "AUDIO 1" setting and illumination display.
- OFF: Erases the audio level indicator and the equalization pattern indicator.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "LEVEL" with ∧▶▶| or ∨|◀◀.
3 Select the desired mode with the control dial.
The level display setting changes as follows:

AUDIO 1 ⟷ AUDIO 2 ⟷ OFF

Selecting the dimmer mode (ONLY FOR KD-SX979R)

When you turn on the car head lights, the display automatically dims (Auto Dimmer).
When shipped from the factory, Auto Dimmer mode is activated.

- AUTO: Activates Auto Dimmer.
- OFF: Cancels Auto Dimmer.
- ON: Always dims the display.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "DIMMER" with ∧►►I or ∨I◄◄.
3 Select the desired mode with the control dial.
The dimmer mode changes as follows:

AUTO ↔ OFF ↔ ON

Note on Auto Dimmer:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.
In this case, set the dimmer mode to "ON" or "OFF".

Controlling the volume automatically (Audio Cruise: ONLY FOR KD-SX979R)

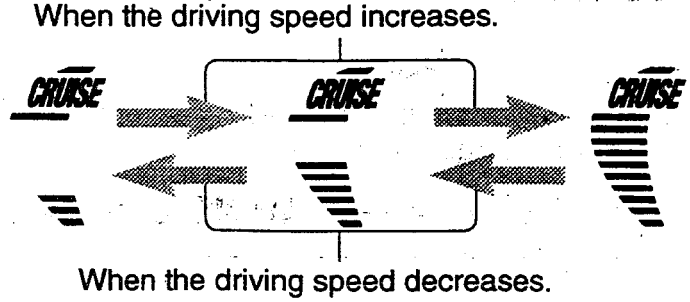
You can select the proper cruise mode for your car.
This unit change the volume level automatically (at 3 possible levels) based on the driving speed of your car by detecting the alternator's generating frequency (Audio Cruise).
If you want to use this mode, follow the procedures below. When shipped from the factory, this mode is set to "OFF."

- CRUISE 1: Select this if your car is relatively quiet.
- CRUISE 2: Select this if your car is relatively loud.
The volume increase rate is twice as much as that of the CRUISE 1 setting.
- OFF: Cancels Audio Cruise.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "CRUISE" with ∧►►I or ∨I◄◄.
3 Select the desired mode with the control dial.
The cruise mode changes as follows:

CRUISE 1 ↔ CRUISE 2 ↔ OFF

When this function is turned on (the CRUISE indicator lights up on the display), the proper volume level is automatically selected among the 3 possible levels according to the driving speed, and the selected level is shown on the display.



To adjust the volume increase rate

If you find Audio Cruise increases (or decreases) the volume either too much or too little as the driving speed changes. You can adjust the increase rate by changing the boost level. To change it, follow the procedure below.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "CRUISE" with ∧▶▶| or ∨|◀◀.
3 Select either "CRUISE 1" or "CRUISE 2" with the control dial.
4 Select "BOOST" with ∧▶▶| or ∨|◀◀.
The current boost level appears on the display.
5 Select the desired boost level (among 01 to 15) as you want while the current boost level is shown on the display with the control dial.
- To increase the volume increase rate, rotate it clockwise.
- To decrease the volume increase rate, rotate it counterclockwise.

If Audio Cruise does not function correctly

You may need to store the idling speed into memory to make Audio Cruise function correctly.

NOTICE that a number of factors, such as electric power steering, wipers, power windows, air conditioner, etc. do generate noises and, as a result, may cause Audio Cruise not to function correctly. If this is the main cause of malfunction, connect the memory backup lead (yellow lead) directly to the car battery to prevent these noises from affecting Audio Cruise.

1 Start the engine and let it warm up.
2 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
3 Select "CRUISE" with ∧▶▶| or ∨|◀◀.
4 Select either "CRUISE 1" or "CRUISE 2" with the control dial.
5 Select "RPM SET" with ∧▶▶| or ∨|◀◀.
6 Select the desired idling speed as you want with the control dial.

When the setting is complete, the unit automatically checks to see if Audio Cruise functions correctly with this new idling setting. If it does not function correctly, Audio Cruise is canceled automatically and the idling setting becomes invalid.
- *If this happens, see the NOTICE above.*

Selecting the telephone muting

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either "MUTING 1" or "MUTING 2," whichever mutes the sounds from this unit. When shipped from the factory, this mode is deactivated.

- MUTING 1: Select this if this setting can mute the sounds.
- MUTING 2: Select this if this setting can mute the sounds.
- OFF: Cancels the telephone muting.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "TEL (Telephone)" with ∧▶▶| or ∨|◀◀.
3 Select the desired mode with the control dial.
The telephone muting mode changes as follows:

MUTING 1 ↔ MUTING 2 ↔ OFF

Turning on/off the key-touch tone (ONLY FOR KD-SX979R)

You can deactivate the key-touch tone if you do not want to make it beep when you press a button. When shipped from the factory, the key-touch tone is activated.

- ON: Activates the key-touch tone.
- OFF: Deactivates the key-touch tone.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "BEEP" with ∧▶▶| or ∨|◀◀.
3 Select the desired mode with the control dial.
The key-touch tone alternates between on and off.

ON ↔ OFF

Selecting the scroll mode

You can select the scroll mode for the name display and disc information if it consists of more than 8 characters. When shipped from the factory, Auto Scroll mode is set to "ONCE."

- ONCE: Scrolls only once.
- AUTO: Repeats the scroll (5-second intervals in between).
- OFF: Cancels Auto Scroll.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Select "SCROLL" with ∧▶▶| or ∨|◀◀.
3 Select the desired mode with the control dial.
The scroll mode changes as follows:

ONCE ↔ AUTO ↔ OFF

Note:

Even if the scroll mode is set to "OFF," you can scroll the display by pressing DISP for more than 1 second.

Selecting the external component to use

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).

To use the external component as the playback source through this unit, you need to select which component — CD changer or external component — to use. When shipped from the factory, CD changer is selected as the external component.

- LINE IN: To use the external component other than CD changer
- CHANGER: To use the CD changer

1 To change the source to FM, AM or CD, press FM/AM or CD.
2 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
3 Select "LINE IN" with ∧▶▶| or ∨|◀◀.
4 Select the desired mode with the control dial.
The external component selecting mode changes as follows:

LINE IN ↔ CHANGER

Note:

For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/ Connection Manual (separate volume).

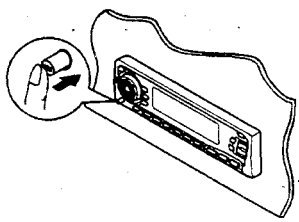
Detaching the control panel

You can detach the control panel when leaving the car.
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

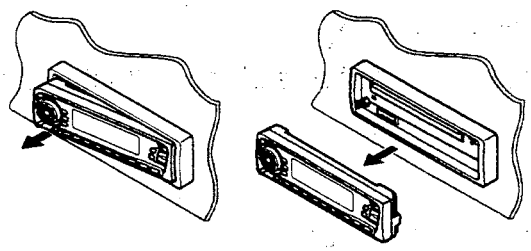
How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

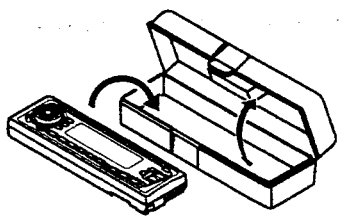
1 Unlock the control panel.



2 Pull the control panel out of the unit.

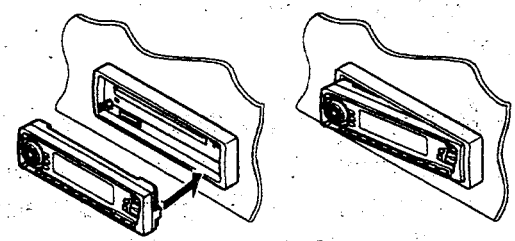


3 Put the detached control panel into the provided case.

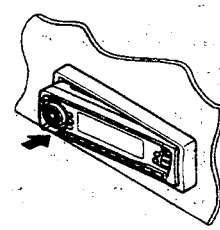


How to attach the control panel

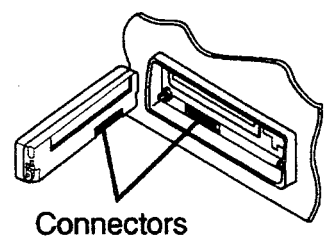
1 Insert the right side of the control panel into the groove on the panel holder.



2 Press the left side of the control panel to fix it to the panel holder.



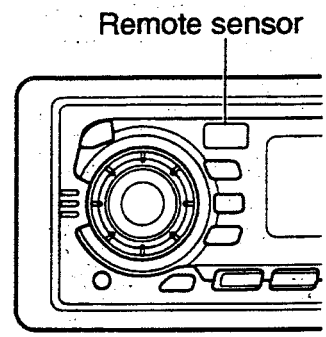
Note on cleaning the connectors:
If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

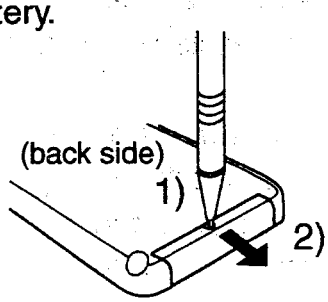
This section is ONLY FOR KD-SX979R, KD-SX925R and KD-SX924R.
KD-SX909R can also be remotely controlled as instructed here (with an optionally purchased remote controller). We recommend that you use remote controller RM-RK31 with your unit. The followings are the instructions for using RM-RK31.

Before using the remote controller:
- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

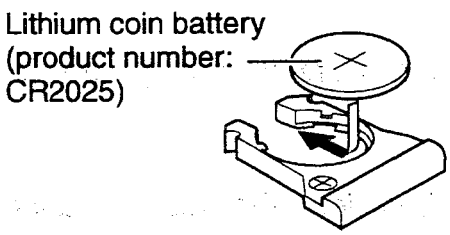


Installing the battery

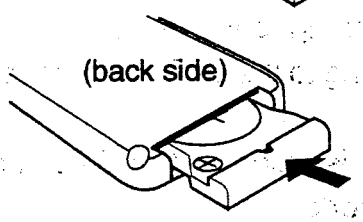
When the controllable range or effectiveness of the remote controller decreases, replace the battery.



1. **Remove the battery holder.**
   1) Push out in the direction indicated by the arrow using a ball point pen or a similar tool.
   2) Remove the battery holder.



2. **Place the battery.**
   Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.

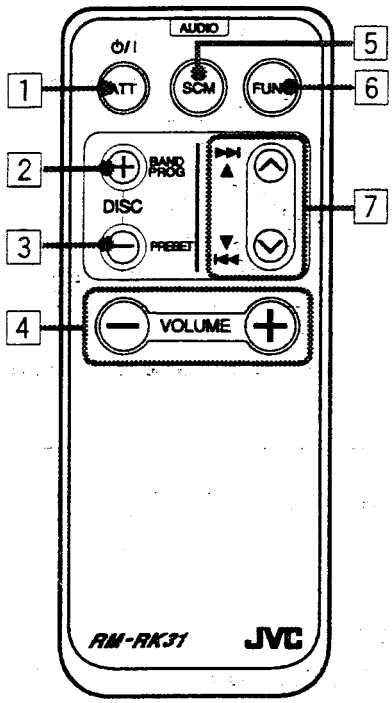


3. **Return the battery holder.**
   Insert again the battery holder pushing it until you hear a clicking sound.

WARNING:
- *Store the batteries in a place which children cannot reach.*
  If a child accidentally swallows the battery, immediately consult a doctor.
- *Do not recharge, short, disassemble or heat the batteries or dispose of in a fire.*
  Doing any of these things may cause the batteries to give off heat, crack or start a fire.
- *Do not leave the batteries with other metallic materials.*
  Doing this may cause the batteries to give off heat, crack or start a fire.
- *When throwing away or saving the batteries, wrap in tape and insulate; otherwise, , it may cause the batteries to give off heat, crack or start a fire.*
- *Do not poke the batteries with tweezers or similar tools.*
  Doing this may cause the batteries to give off heat, crack or start a fire.

To be continued on the next page

Using the remote controller



1 Functions the same as the ⏻/I/ATT button on the main unit.

2 • Functions as the BAND button while listening to the radio (or the DAB tuner).
Each time you press the button, the band changes.
• Functions as the DISC + button while listening to the CD changer.
Each time you press the button, the disc number increases, and the selected disc starts playing.
• Does not function as the PROG button.

3 • Functions as the PRESET button while listening to the radio (or the DAB tuner).
Each time you press the button, the preset station number increases, and the selected station is tuned in.
• Functions as the DISC – button while listening to the CD changer.
Each time you press the button, the disc number decreases, and the selected disc starts playing.

4 Functions the same as the control dial on the main unit.
Note: *This button does not function for the preferred setting mode adjustment.*

5 Selects the sound mode.
Each time you press SCM (Sound Control Memory), the mode changes.

6 Selects the source.
Each time you press FUNC (function), the source changes.

7 • Searches stations while listening to the radio.
• Selects services while listening to the DAB tuner if pressed briefly.
• Searches ensembles while listening to the DAB tuner if pressed for more than 1 second.
• Fast-forwards or reverses the track if pressed and held while listening to a CD.
• Skips to the beginning of the next tracks or goes back to the beginning of the current (or previous tracks) if pressed briefly while listening to a CD.

CD CHANGER OPERATIONS

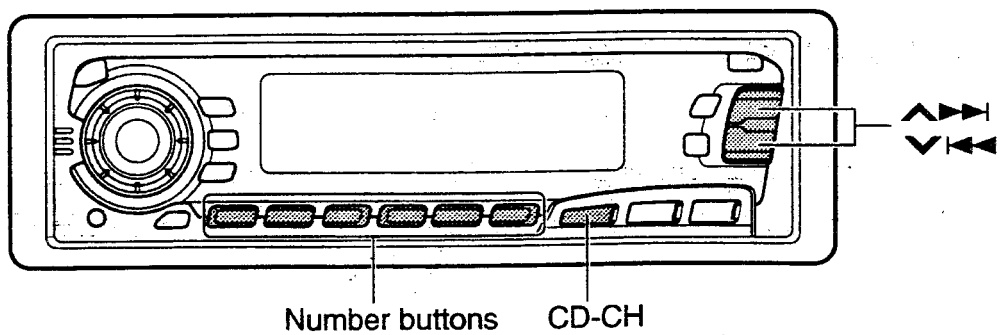
We recommend that you use one of the CH-X series (ex: CH-X1200) with your unit.
If you have another CD automatic changer, consult your JVC IN-CAR ENTERTAINMENT dealer for connections.

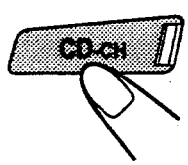
- *For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K: not supplied) for connecting it to this unit.*

Before operating your CD automatic changer:

- Refer also to the instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

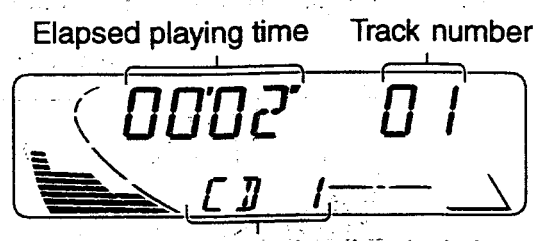
Playing CDs





Select the CD automatic changer.

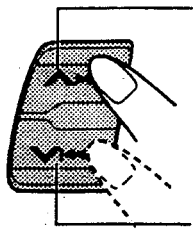
Playback starts from the first track of the first disc.
All tracks of all discs are played back.



Disc number (or clock time: see page 29) appears.

Note on One-Touch Operation:
When you press CD-CH, the power automatically comes on. You do not have to press ⏻/I/ATT *to turn on the power.*

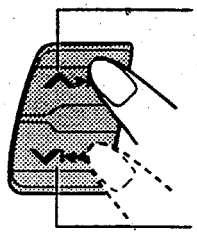
To fast-forward or reverse the track



Press and hold ∧►►|, while playing a CD, to fast-forward the track.

Press and hold ∨|◄◄, while playing a CD, to reverse the track.

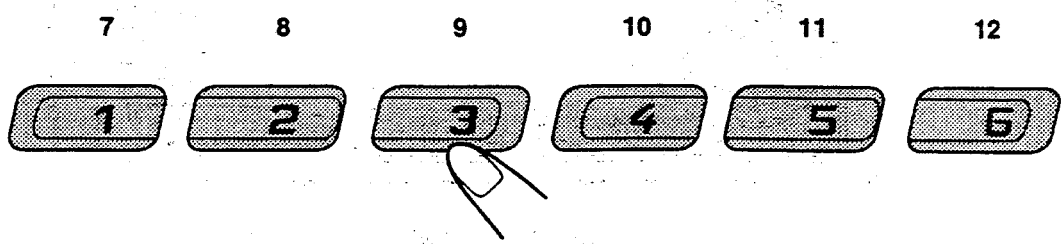
To go to the next tracks or the previous tracks



Press ∧►►| briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press ∨|◄◄ briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

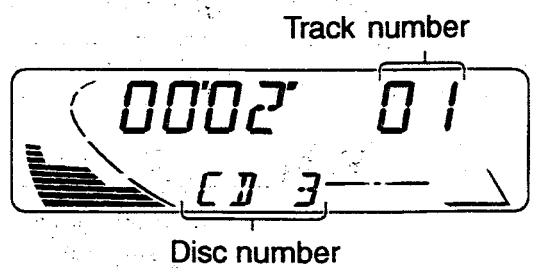
To go to a particular disc directly



Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).

- To select a disc number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

Ex. When disc number 3 is selected



To show the CD Text information

See "Playing a CD Text" on page 21.

Selecting CD playback modes

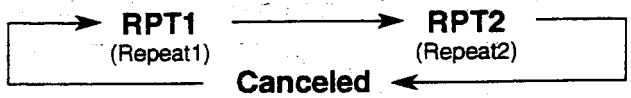
To play back tracks at random (Random Play)

Each time you press MO RND (Monaural/Random) while playing a CD, CD random play mode changes as follows:

Mode	RND Indicator	Plays at random
RND1	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RND2	Flashes	All tracks of all discs inserted in the magazine.

To play back tracks repeatedly (Repeat Play)

Each time you press RPT (Repeat), while playing a CD, CD repeat play mode changes as follows:

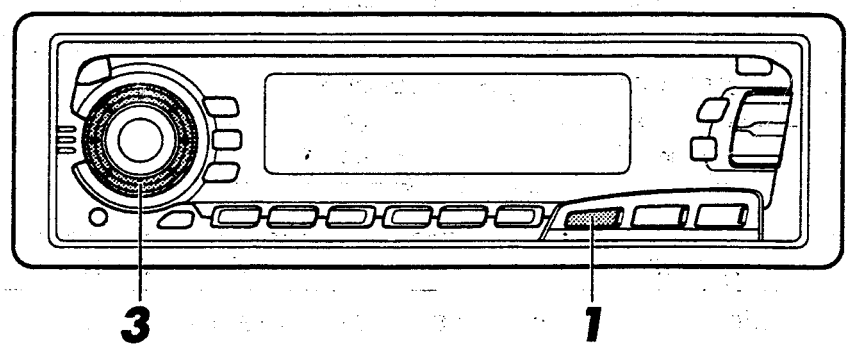


Mode	RPT Indicator	Plays repeatedly
RPT1	Lights	The current track (or specified track).
RPT2	Flashes	All tracks of the current disc (or specified disc).

EXTERNAL COMPONENT OPERATIONS

ENGLISH

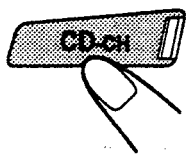
You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).



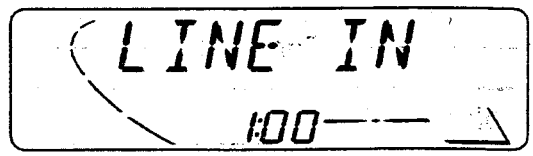
Preparations:

- *For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/ Connection Manual (separate volume).*
- ***Before operating the external component using the following procedure, select the external input correctly. (See "Selecting the external component to use" on page 33.)***

1



Select the external component.



- If "LINE IN"* does not appear on the display, see page 33 and select the external input ("LINE IN").

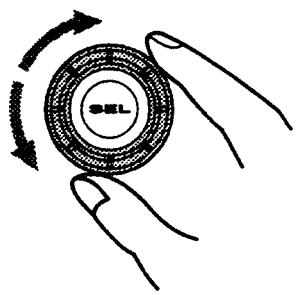
  * *Displayed only when one of the following sources is selected — FM, AM and CD.*

Note on One-Touch Operation:
When you press CD-CH, the power automatically comes on. You do not have to press ⏻/I/ATT *to turn on the power.*

2

Turn on the connected component and start playing the source.

3



Adjust the volume.

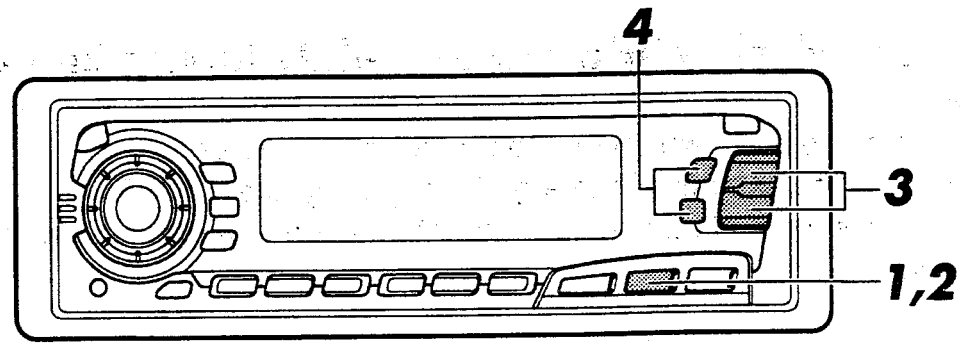
DAB TUNER OPERATIONS

We recommend that you use DAB (Digital Audio Broadcasting) tuner KT-DB1500 with your unit.
If you have another DAB tuner, consult your JVC IN-CAR ENTERTAINMENT dealer.
- Refer also to the Instructions supplied with your DAB tuner.

What is DAB system?
DAB is one of the digital radio broadcasting systems available today. It can deliver CD quality sound without any annoying interference and signal distortion. Furthermore, it can carry text, pictures and data.
In contrast to FM broadcast, where each programme is transmitted on its own frequency, DAB combines several programmes (called "services") to form one "ensemble."
With the DAB tuner connected with this unit, you can enjoy these DAB services.

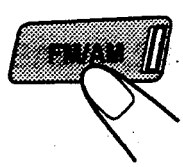
Tuning into an ensemble and one of the services

A typical ensemble has 6 or more programmes (services) broadcast at the same time. After tuning into an ensemble, you can select a service you want to listen to.



Before you start....
Press FM/AM/DAB briefly if you are selecting CD, CD changer or LINE IN as the source.

1

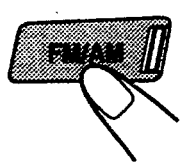


Select the DAB tuner.

Each time you press and hold the button for more than 1 second, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2



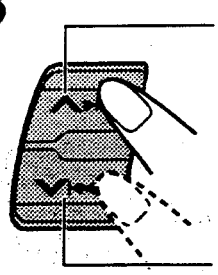
Select the DAB band (DAB1, DAB2, or DAB3).

You can select any one of DAB1, DAB2, and DAB3 to tune into an ensemble.

→ **D1** (DAB 1) → **D2** (DAB 2) → **D3** (DAB 3) →

To be continued on the next page

3



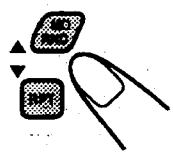
To search ensembles of higher frequencies.

To search ensembles of lower frequencies.

Start searching an ensemble.

When an ensemble is received, searching stops.

4



Select an service you want to listen to.

To stop searching before an ensemble is received, press the same button you have pressed for searching.

To change the display information while tuning into an ensemble

Normally service name is shown on the upper part of the display.
If you want to check the ensemble name or its frequency, press DISP.
Each time you press the button, the following information appears for a while on the upper part of the display.

Service name → Ensemble name → Channel number → Frequency

To restore the FM/AM tuner

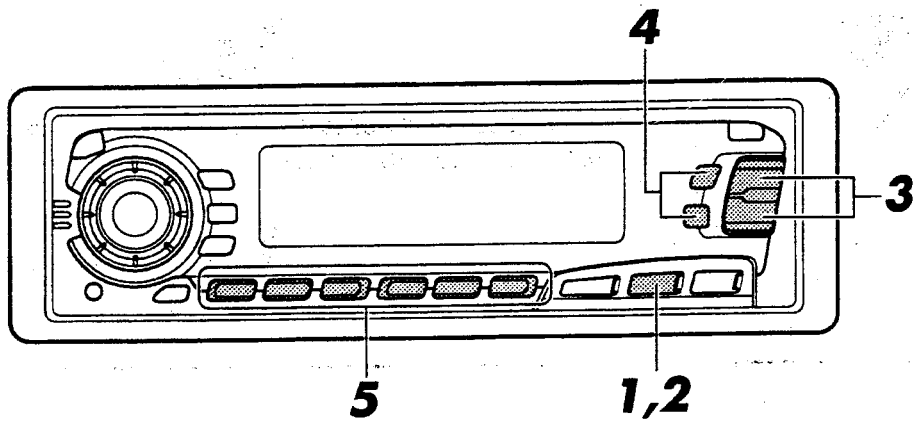
Press and hold FM/AM/DAB for more than 1 second again.

To tune in a particular ensemble without searching:

1 Press and hold FM/AM/DAB for more than 1 second.
2 Press FM/AM/DAB repeatedly to select the DAB band (DAB1, DAB2, or DAB3).
3 Press and hold ∧▶▶| or ∨|◀◀ for more than 1 second.
4 Press ∧▶▶| or ∨|◀◀ repeatedly until the ensemble you want is reached.
- If you hold down the button, the frequency keeps changing until you release the button.

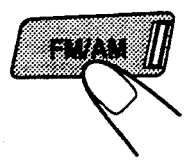
Storing DAB services in memory

You can preset up to 6 DAB services in each DAB band (DAB1, DAB2 and DAB3) manually.



1

DAB



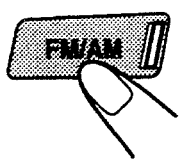
Select the DAB tuner.

Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2

DAB

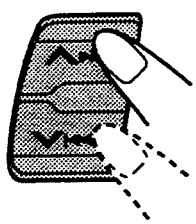


Select the DAB band (DAB1, DAB2, or DAB3) you want.

Each time you press the button, the DAB band changes as follows:

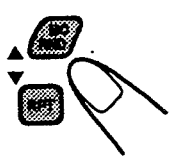
D1 (DAB 1) → D2 (DAB 2) → D3 (DAB 3)

3



Tune into an ensemble you want.

4

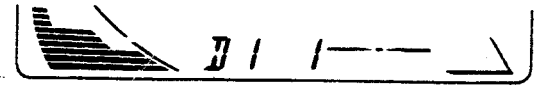


Select a service of the ensemble you want.

To be continued on the next page

5

Press and hold the number button (in this example, 1) for more than 2 seconds.



Band/preset number and "MEMO" flash alternately for a while.

6

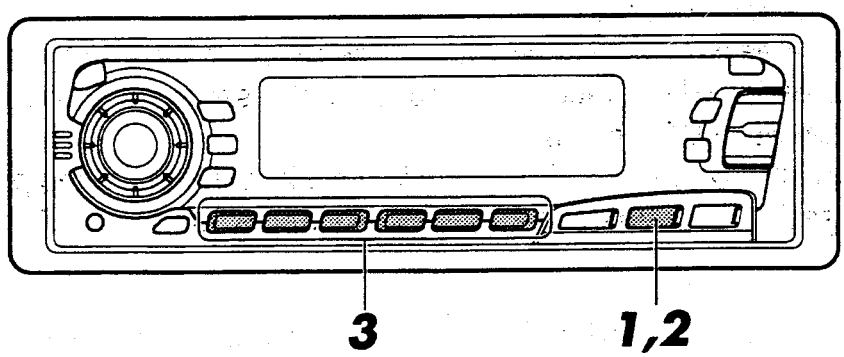
Repeat the above procedure to store other DAB services into other preset numbers.

Notes:

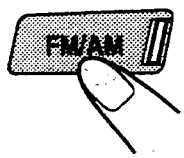
- *A previously preset DAB service is erased when a new DAB service is stored in the same preset number.*
- *Preset DAB services are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the DAB services again.*

Tuning into a preset DAB service

You can easily tune into a preset DAB service.
Remember that you must store services first. If you have not stored them yet, see pages 43 and 44.



1 DAB

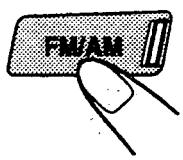


Select the DAB tuner.

Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2 DAB

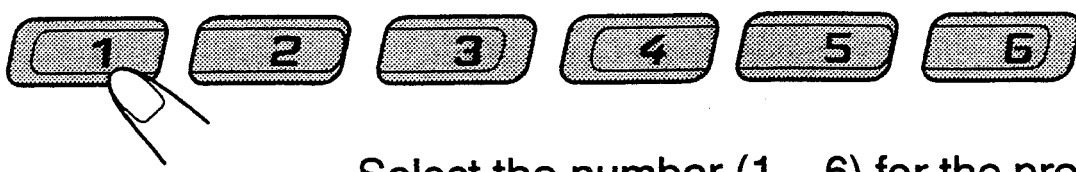


Select the DAB band (DAB1, DAB2, or DAB3) you want.

Each time you press the button, the DAB band changes as follows:

D1 (DAB 1) → D2 (DAB 2) → D3 (DAB 3)

3



Select the number (1 – 6) for the preset DAB service you want.

What you can do more with DAB

Tracing the same program automatically (Alternative Reception)

You can keep listening to the same program

- **While receiving a DAB service:**
  When driving in an area where a service cannot be received, this unit automatically tune in another ensemble or FM RDS station, broadcasting the same program.
- **While receiving an FM RDS station:**
  When driving in an area where a DAB service is broadcasting the same program as the FM RDS station is broadcasting, this unit automatically tunes into the DAB service.

Note:

When reception switches between DAB and FM, the listening volume level may increase or decrease inconveniently. This change in the volume level results from unequal audio injection levels at broadcaster site, but not from the malfunction of this unit.

To use Alternative Reception

When shipped from the factory, Alternative Reception is activated.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Press ∧►►I or ∨I◄◄ to select "DAB AF," if not shown on the display.
3 Select the desired mode with the control dial.
  • AF ON: Traces the program among DAB services and FM RDS stations—Alternative Reception. The AF indicator lights up on the display (see page 10).
  • AF OFF: Deactivates Alternative Reception

Note:

When Alternative Reception (for DAB services) is activated, Network-Tracking Reception (for RDS stations: see page 10) is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception.

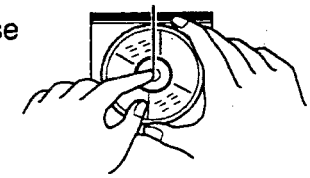
4 Press SEL (select) again to finish the setting.

Handling CDs

This unit has been designed only to reproduce the CDs bearing the COMPACT disc DIGITAL AUDIO and COMPACT disc DIGITAL AUDIO TEXT marks. Other discs cannot be played back.

How to handle CDs

Center holder

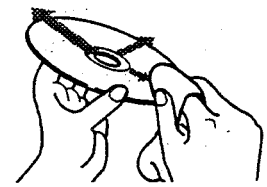


When removing a CD from its case, press down the center holder of the case and lift the CD out, holding it by the edges.

- Always hold the CD by the edges. Do not touch its recording surface.

When storing a CD into its case, gently insert the CD around the center holder (with the printed surface facing up).

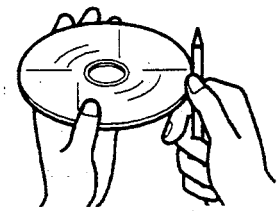
- Make sure to store CDs into the cases after use.



To keep CDs clean

A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

To play new CDs



New CDs may have some rough spots around the inner and outer edges. If such a CD is used, this unit may reject the CD.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the CD and leave the unit turned on for a few hours until the moisture evaporates.

CAUTIONS:

- *Do not insert 8 cm CDs (single CDs) into the loading slot. (Such CDs cannot be ejected.)*
- *Do not insert any CD of unusual shape — like a heart or flower; otherwise, it will cause a malfunction.*
- *Do not expose CDs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.*
- *Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean CDs.*

When playing a CD-R (Recordable)

You can play back your original CD-Rs on this receiver.

- Before playing back CD-Rs, read their instructions or cautions carefully.
- Some CD-Rs recorded on CD recorders may not be played back on this receiver because of their disc characteristics, and of the following reasons:
  - Discs are dirty or scratched.
  - Moisture condensation occurs on the lens inside the unit.
  - The pickup lens inside the CD player is dirty.
- Use only "finalized" CD-Rs.
- CD-RWs (Rewritable) cannot be played back on this receiver.
- Do not use CD-Rs with stickers or sticking labels on the surface. They may cause malfunctions.

About mistracking:
Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying.
We recommend that you stop CD play while driving on such rough roads.

TROUBLESHOOTING

ENGLISH

What appears to be trouble is not always serious. Check the following points before calling a service center.

Symptoms	Causes	Remedies
• CD cannot be played back.	CD is inserted upside down.	Insert the CD correctly.
• CD sound is sometimes interrupted.	You are driving on rough roads.	Stop playing CD while driving on rough roads.
	The disc is scratched.	Change the disc.
	Connections are incorrect.	Check the cords and connections.
• Sound is sometimes interrupted.	Connections are incorrect.	Check the cords and connections.
• Sound cannot be heard from the speakers.	The volume is turned to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.
• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• "NO DISC" appears on the display.	No CD is in the magazine.	Insert CDs into the magazine.
	CDs are inserted incorrectly.	Insert them correctly.
• "RESET 8" appears on the display.	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
• "RESET 1-RESET 7" appears on the display.	———	Press the reset button of the CD changer.
• CD can be neither played back nor ejected.	The unit may function incorrectly.	Press CD and SEL at the same time for several seconds. ("PLEASE" and "EJECT" appear on the display alternately.) When you open the control panel by pressing ▲, be careful not to drop CD when it is ejected.
• This unit does not work at all. • The CD changer does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Press and hold both SEL and ⏻/I/ATT at the same time for several seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.)

SPECIFICATIONS

AUDIO AMPLIFIER SECTION

Maximum Power Output:
- Front: 45 W per channel
- Rear: 45 W per channel

Continuous Power Output (RMS):
- Front: 17 W per channel into 4 Ω, 40 Hz to 20,000 Hz at no more than 0.8% total harmonic distortion.
- Rear: 17 W per channel into 4 Ω, 40 Hz to 20,000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range
- Bass: ±10 dB at 100 Hz
- Treble: ±10 dB at 10 kHz

Frequency Response: 40 Hz to 20,000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance: 2.0 V/20 kΩ load (full scale)
Output impedance: 1 kΩ

TUNER SECTION

Frequency Range
- FM: 87.5 MHz to 108.0 MHz
- AM: (MW) 522 kHz to 1,620 kHz
  (LW) 144 kHz to 279 kHz

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity:
16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz):
65 dB
Frequency Response: 40 Hz to 15,000 Hz
Stereo Separation: 30 dB
Capture Ratio: 1.5 dB

[MW Tuner]
Sensitivity: 20 μV
Selectivity: 35 dB

[LW Tuner]
Sensitivity: 50 μV

CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20,000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement
Operating Voltage: DC 14.4 V (11 V to 16 V allowance)
Allowable Operational Temperature:
0°C to +40°C
Grounding System: Negative ground
Dimensions (W × H × D)
Installation Size:
182 mm × 52 mm × 150 mm
Panel Size: 188 mm × 58 mm × 11 mm
Mass: 1.4 kg (excluding accessories)

Design and specifications subject to change without notice.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Haben Sie PROBLEME mit dem Betrieb?

Bitte setzen Sie Ihr Gerät zurück

Siehe Seite Zurücksetzen des Geräts

Vous avez des PROBLÈMES de fonctionnement?

Réinitialisez votre appareil

Référez-vous à la page intitulée Comment réinitialiser votre appareil

Hebt u PROBLEMEN met de bediening?

Stel het apparaat terug

Zie de pagina met de paragraaf Het apparaat terugstellen

JVC

VICTOR COMPANY OF JAPAN, LIMITED